

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

IN THE CLAIMS:

Claims 1-20 (cancelled).

Claim 21 (currently amended): A shelter capable of producing electrical energy comprising:

a photovoltaic canopy defining a sheltered area thereunder,  
~~the sheltered area including at least one vehicle parking space,~~  
the photovoltaic canopy comprising including an upper surface and  
~~having a first photovoltaic device,~~ a lower surface ~~having a second~~  
~~photovoltaic device, and a light emitting diode device,~~ wherein the  
upper surface comprises a first and second photovoltaic layer  
~~devices are that is~~ capable of producing an electrical current when  
exposed to light;

a supporting structure connected to and supporting the canopy  
~~and permitting substantially unobstructed access by a vehicle to~~  
~~the sheltered area; and~~

~~an electrical load~~ a light emissive layer mounted on the lower  
surface and operatively connected to the ~~first and second~~  
photovoltaic layer devices for utilizing the electricity generated  
by the photovoltaic device layer when the photovoltaic ~~device layer~~  
is exposed to light, said light emissive layer oriented to emit  
light onto the photovoltaic layer for generating electricity.

~~wherein the shelter has no walls.~~

Claim 22 (cancelled).

Claim 23 (currently amended): The shelter of claim 21 wherein the ~~first and second photovoltaic devices are contained on or in the~~ canopy is tiltable.

Claim 24 (currently amended): The shelter of claim 21 wherein the ~~first and second photovoltaic devices form the~~ photovoltaic canopy is a curved structure that is downwardly concave.

Claim 25 (currently amended): The shelter of claim 21 wherein the ~~first and second photovoltaic layer comprises devices are~~ selectable from the group consisting of crystalline photovoltaic systems, a plurality of flexible thin film photovoltaic layers ~~systems, and the light emissive layer comprises~~ stacked ~~photovoltaic layers and photovoltaic and light emissive layers~~.

Claim 26 (currently amended): The shelter of claim 25 21 wherein the ~~first and second photovoltaic canopy is~~ devices are semi-transparent.

Claim 27 (currently amended): The shelter of claim 26 wherein the ~~first and second photovoltaic canopy comprises devices are composed~~ of multiple layers of flexible at least one thin film semi-transparent photovoltaic layer and light emissive material.

Claim 28 (currently amended): The shelter of claim 21, ~~further comprising~~ wherein the light emissive layer comprises an organic artificial light source and further wherein the shelter further comprises:

~~an artificial light source associated with the underside of the canopy;~~

a second photovoltaic layer attached to the lower surface of the canopy;

wherein the second photovoltaic layer device is directed ~~toward the ground~~ to receive light from the organic artificial light source; and[;]]

wherein the upper surface of the photovoltaic canopy is oriented to receive sunlight directly.

Claim 29 (currently amended): The shelter of claim 28 wherein the organic artificial light source is co-located on at least one of the first photovoltaic layer and the second photovoltaic layer ~~dispersed within the second photovoltaic device.~~

Claim 30 (cancelled).

Claim 31 (currently amended): The shelter device of Claim 21 wherein the light emissive layer comprises a light emitting diode panel ~~is capable of displaying that displays~~ human readable information.

Claim 32 (currently amended): The shelter device of claim 21 wherein the light emitting emissive diode layer comprises a light emitting thin film phosphor layer ~~is a flexible thin film light emitting diode display.~~

Claim 33 (currently amended): A shelter capable of producing electrical energy comprising:

a canopy having an underside defining a sheltered area thereunder, the sheltered area including at least one vehicle parking space;

a supporting structure connected to and supporting the canopy and permitting ~~substantially unobstructed~~ access by a vehicle to the sheltered area;

~~a photovoltaic device associated with wherein~~ the canopy comprises a the photovoltaic device ~~being~~ capable of producing an electrical current when exposed to sunlight, and wherein the canopy photovoltaic device including comprises a light emitting coating layer attached to the underside of the canopy and powered by electricity generated by the photovoltaic device wherein and the photovoltaic device is capable of generating generates electricity from the light emitted by the light emitting ~~coating layer~~; and

~~an electrical load operatively connected to the wherein the photovoltaic device generates for utilizing electricity generated by the photovoltaic device when the photovoltaic device is exposed to at least one of sunlight and light emitted by the light emitting layer;~~

wherein the shelter has no walls.

Claim 34 (currently amended): The shelter of claim 21 33 wherein the further comprising an electrical load is selected from the group consisting of a the power distribution grid ~~of a utility company~~ and a battery.

Claim 35 (currently amended): The shelter of claim 34 wherein said battery is operatively connected to a light source which ~~illuminates said sheltered area wherein the light source is~~ directed to emit light onto the photovoltaic device for generating electrical current.

Claim 36 (currently amended): A carport comprising:

at least one photovoltaic canopy, the photovoltaic canopy sheltering a parking area for at least one vehicle;

a supporting structure connected to and supporting the photovoltaic canopy and permitting ~~substantially unobstructed~~ access by a vehicle to the parking area;

~~a photovoltaic device associated with the canopy, wherein the photovoltaic device canopy being capable of producing produces~~ a DC electrical current when exposed to sunlight, the photovoltaic canopy device including comprising an upper surface and a lower surface, said lower surface comprising a light emitting diode coating panel attached thereto and powered by the photovoltaic canopy, and the photovoltaic canopy device is capable of generating generates electricity from the light emitted by the light emitting diode coating panel; and

an electrical load operatively connected to the photovoltaic device canopy for utilizing the electricity generated by the photovoltaic canopy device when the photovoltaic canopy device is exposed to light at least one of sunlight and light from the light

~~emitting diode panel wherein the electrical load is selected from the group consisting of the power distribution grid of a utility company and a battery.~~

Claim 37 (currently amended): The carport of claim 36 wherein the electrical load comprises a battery which is charged by the DC current produced by the photovoltaic canopy device.

Claim 38 (currently amended): The carport of claim 36 further comprising:

an inverter for converting the DC electrical current produced by the photovoltaic canopy device to an AC current; and

~~a connection means~~ for transmitting the AC electrical current to a the power distribution grid of a the utility company.

Claim 39 (currently amended): The carport of claim 36 further comprising a reverse meter for measuring AC current produced by the inverter.

Claim 40 (currently amended): The shelter of claim ~~21~~ 36 wherein the photovoltaic canopy comprises ~~includes at least two a plurality of~~ panels, each panel comprising an ~~including the~~ upper surface having a the first photovoltaic layer device, and a the lower surface having a second photoelectric device, ~~and the~~ light emitting diode ~~device panel~~, wherein at least one of the light emitting diode panels functions as an information display.

Claim 41 (currently amended): The shelter of claim 40 wherein wherein at least one of the panels is tiltable.

Claim 42 (new): The shelter of claim 21 further comprising:  
an electrical load operatively connected to the photovoltaic canopy wherein the electrical load is selected from the group consisting of a reverse power meter and a power distribution grid of a utility company.